

PATENT

1764  
4Attorney Docket No. W9517-01**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Application of ) Before the Examiner  
Roberic T. et al )  
)  
)  
Serial No.: 09/901.939 ) Group Art Unit: 1764  
)  
Filed: 07/10/01 )  
)  
For: GASOLINE SULFUR REDUCTION IN )  
FLUID CATALYTIC CRACKING )  
)

**RECEIVED**  
OCT 23 2001  
TC 1700

Honorable Commissioner of Patents and Trademarks  
Washington, D. C. 20231

Sir:

**CERTIFICATE OF MAILING UNDER 37 C.F.R. §1.8**

Pursuant to 37 CFR §1.8, I hereby certify that I have a reasonable basis to expect that this correspondence will be deposited with the United States Postal Service on or before the date indicated as first class mail in an envelope addressed to: Commissioner of Patents and Trademarks, Washington, D.C. 20231.

October 18, 2001  
Date

[Signature]  
Signature

**INFORMATION DISCLOSURE STATEMENT TRANSMITTAL  
LETTER/PETITION FOR CONSIDERATION UNDER 37 CFR §1.97**

I. Enclosed is:

- ☒ Information Disclosure Statement Form No. PTO-1449 and copies of references where indicated.
- ☐ Copy of the European Search Report dated \_\_\_\_\_ on European Application No. \_\_\_\_\_ which is:
- ☐ The European counterpart of the above-identified U.S. application or one of its Parental ancestors, i.e. USSN \_\_\_\_\_, filed \_\_\_\_\_.
- ☐ The European counterpart of related USSN \_\_\_\_\_, filed \_\_\_\_\_.

- ☐ Copy of the PCT Search Report dated \_\_\_\_\_ on PCT Application No. \_\_\_\_\_ which is:
- ☐ The PCT counterpart of the above-identified U.S. application or one of its Parental ancestors, i.e. USSN \_\_\_\_\_, filed \_\_\_\_\_.
- ☐ The PCT counterpart of related USSN \_\_\_\_\_, filed \_\_\_\_\_.
- ☐ Copy of the \_\_\_\_\_ Search Report dated \_\_\_\_\_ on the corresponding \_\_\_\_\_ counterpart of the above-identified U.S. application.  
(country)
- ☐ Explanatory comments attached hereto as Appendix 1.
- II. ☒ The Examiner is requested to consider the references cited in the attached Information Disclosure Statement without a fee or certification because it was filed:
- ☐ within three months of the filing date of this national application, other than a continued prosecution application under 1.53(d);
- ☐ within three months of the date of entry of the national stage as set forth in §1.491 in an international application;
- ☒ before the mailing date of a first Office Action on the merits; or
- ☐ before the mailing of a first Office Action after filing of a Request for Continued Examination under §1.114.
- III. ☐ The Examiner is requested to consider the attached Information Disclosure Statement pursuant to 37 CFR §1.97(c) in that it is being filed after the periods specified in Paragraph II above, but before the first to occur of the mailing date of either:
- ☐ Final Action under 37 CFR §1.113;
- ☐ Notice of Allowance under 37 CFR §1.311; or
- ☐ An action that otherwise closes prosecution in the application;
- and in support of such request the undersigned either:
- ☐ has made the certification hereinbelow at Paragraph IVB pursuant to 37 CFR §1.97(e); or
- ☐ is paying a petition fee under 37 CFR §1.17(p) in the amount of \$180.00.

IVA. ☐ The Examiner is requested to consider the attached Information Disclosure Statement pursuant to 37 CFR §1.97(d) in that it is being filed before the payment of the Base Issue Fee and after the mailing date of any:

- (1) Final Action under 37 CFR §1.113;
- (2) Notice of Allowance under §1.311; or
- (3) An action that otherwise closes prosecution in the application.

and in support of said request the undersigned:

- (i) has made the certification hereinbelow at Paragraph IVB pursuant to 37 CFR §197(e); and
- (ii) is paying a petition fee under 37 CFR §1.17 (P) in the amount of \$180.00.

IVB. **Certification Under 37 CFR §1.97(e)**  
[applicable to only III or IV above]

☐ The undersigned hereby certifies that for each item of information contained in the Information Disclosure Statement it was either:

- (1) first cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the statement, or
- (2) not cited in a communication from a foreign patent office in a counterpart foreign application and, to the knowledge of the undersigned upon making reasonable inquiry, was not known to any individual designated in §1.56(c) more than three months prior to the filing of the statement.

V. ☐ The Examiner is requested to make the art of record in the following parental U.S. applications relied upon for an earlier filing date under 35 USC §120, of record in the present above-identified application.

U. S. Serial No.	Filing Date

VI. Fee Payment

- ☐ Petition fee under 37 CFR §1.17(p) to consider Information Disclosure Statement under 37 CFR §1.97(c) and (d) is \$180.00.
- ☐ Charge \$\_\_\_\_\_ to Deposit Account No. 07-1770.
- ☒ The Commissioner is hereby authorized to charge any additional fees under 37 CFR §1.16 and §1.17 which may be required by this paper, or credit any overpayment, to Deposit Account No. 07-1770. A duplicate copy of this Form is enclosed.
- ☒ No fee due.

October 12, 2001  
Date of Signature

Beverly J. Artale  
Attorney of Agent  
Beverly J. Artale  
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(IDSTRAN2.DOT)

REV. 4/18/95

W9517-01

09/901,939

APPLICANT

Terry G. Roberie et al.

FILING DATE

7/10/2001

GROUP

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## U.S. PATENT DOCUMENTS

EXAMINER INITIAL*	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE	SOURCE CODE /Copy Submitte d
	3293192	12/20/1966	Maher et al.	252	430	8/23/65	A1 <input checked="" type="checkbox"/>
	3402996	9/24/1968	Maher et al.	23	112	12/19/66	A1 <input checked="" type="checkbox"/>
	3607043	9/21/1971	McDaniel et al.	23	111	11/19/69	A1 <input checked="" type="checkbox"/>
	3676368	7/11/1972	Scherzer et al.	252	455 Z	8/26/70	A1 <input checked="" type="checkbox"/>
	3977963	8/31/1976	Readal et al.	208	120	4/17/75	A6 <input checked="" type="checkbox"/>
	4489169	12/18/1984	Bertus et al.	502	64	11/20/81	A6 <input checked="" type="checkbox"/>
	4642177	2/10/1987	Mester et al.	208	113	9/30/8	A6 <input checked="" type="checkbox"/>
	4790982	12/13/1988	Yoo et al.	423	239	4/7/86	A1 <input checked="" type="checkbox"/>
	4846960	7/11/1989	Walker et al.	208	119	6/14/88	A6 <input checked="" type="checkbox"/>
	4943366	7/24/1990	Fischer et al.	208	68	4/6/88	A6 <input checked="" type="checkbox"/>
	4957718	9/18/1990	Yoo et al.	423	244	11/24/87	A1 <input checked="" type="checkbox"/>
	4957892	9/18/1990	Yoo et al.	502	63	4/7/88	A1 <input checked="" type="checkbox"/>
	4963520	10/16/1990	Yoo et al.	502	64	8/1/88	A1 <input checked="" type="checkbox"/>
	5098684	3/24/1992	Kresge et al.	423	277	12/10/90	A6 <input checked="" type="checkbox"/>
	5102643	4/7/1992	Kresge et al.	423	328	1/25/90	A6 <input checked="" type="checkbox"/>
	5198203	3/30/1993	Kresge et al.	423	718	7/24/91	A6 <input checked="" type="checkbox"/>
	5376608	12/27/1994	Wormsbecher et al.	502	61	1/27/93	A1 <input checked="" type="checkbox"/>
	5399327	3/21/1995	Kim	423	244.11	1/18/94	A6 <input checked="" type="checkbox"/>
	5407878	4/18/1995	Kim	502	41	9/28/93	A6 <input checked="" type="checkbox"/>

EXAMINER

DATE CONSIDERED

SOURCE CODE: A= Cited by applicant; B =Cited by Examiner; 1= Cited in specification;2= Cited in PCT search rept; 3= Cited in EPO search rept; 4= Cited in other country search rept; 5= Of record in parental application; 6= Of record in related US application;7= Cited in US Office Action (already of record); 8= Newly Cited

\*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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APPLICANT

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EXAMINER INITIAL*	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE	SOURCE CODE /Copy Submitte d
	5525210	6/11/1996	Wormsbecher et al.	208	122	8/30/94	A1 <input checked="" type="checkbox"/>
	5547564	8/20/1996	Cheng et al.	208	122	5/22/95	A6 <input checked="" type="checkbox"/>
	5618406	4/8/1997	Demmel	208	48R	12/28/95	A6 <input checked="" type="checkbox"/>
	6036847	3/14/2000	Ziebarth et al.	208	113	03/26/96	A1 <input checked="" type="checkbox"/>

OCT 19 2001


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Form PTO-1449 U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE  INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)		ATTY. DOCKET NO.  <b>W9517-01</b>		Page <u>1</u> of <u>1</u>  SERIAL NO  <b>09/901,939</b>	
		APPLICANT <b>Terry G. Roberie et al.</b>			
		FILING DATE <b>7/10/2001</b>		GROUP <b>1764</b>	
EXAMINER INITIAL*	OTHER DOCUMENTS ( Including author , Title, Date, Pertinent Pages, Etc.)			TRANS SUBMITTED ?	SOURCE CODE / Copy Submitte d
	A. Haas, D. A. Harding, J.R.D. Nee, M. Perez Pascual, "New Catalyst Technology for Gasoline Sulphur Reduction", Catalagram, European Edition February 1999, pp 15-17.			RECEIVED OCT 23 2001 TC 1700	A6 <input type="checkbox"/>
	Refining Catalyst News, GRACE DAVISON Refining Catalysts Europe, July 1999 (Issue No. 3), pp 1-2.			No	A6 <input type="checkbox"/>
	P-O.F. Andersson, M. Pirjamali, S.G. Järås, M. Boutonnet-Kizling, "Cracking Catalyst Additives for Sulfur Removal from FCC Gasoline", Catalysis Today 53 (1999) 565-573.			No	A6 <input type="checkbox"/>
	Mystrad et al, Effect of Nickel and Vanadium on Sulfur Reduction of FCC Naphtha, Applied Catalyst A: General 192 (2000) pages 299-305			No	A8 <input type="checkbox"/>
	Krishna et al, Additives Improve FCC Process, Hydrocarbon Processing, November 1991 - pages 56-66			No	A8 <input type="checkbox"/>
	Venuto and Habib, Fluid Catalytic Cracking with Zeolite Catalysts, Marcel Dekker, New York 1979, ISBN 0-8247-6870-1			No	A8 <input type="checkbox"/>

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